



1300 MHz High Power Circulator

For the new EW and Radar Systems, Renaissance has designed a High Performance Circulator covering 1.25 - 1.40 GHz capable of handling 3 kW Peak and 300 W Average power levels.

Click here for datasheet:

<http://www.rec-usa.com/Data%20Sheets/3A3NHcirculator.pdf>



For more information about our products and updates, etc, contact us at 978-772-7774 or visit www.rec-usa.com / www.hxi.com.

September/October 2012 Wireless Edge Newsletter

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Attending Tradeshows

MILCOM
October 29- November 1st, Orlando,
Booth #218

Archived Newsletters can be found at
<http://www.rec-usa.com/nl/newsletters.asp>

Look for us on:



Gigalink LightSpeed™ Radio



In an effort to address customer inputs and in the spirit of our commitment to continuous improvement, the Renaissance/HXI Extremely Low Latency GigaLink LightSpeed radio link has been improved for ease of deployment and increased range performance.

The first major change is an antenna design with improved performance and an associated robust mounting configuration. The improved antenna efficiency offers increased range and the superior mount makes antenna installation and pointing easier, thereby reducing installation costs.

Both one and two foot antennas are now available in easy to connect clip-on designs with dual polarization for higher capacity up to 2.5 Gbps.

Increase in power output and decrease in receiver noise have led to significant improvements in range and fade margin. Output power options up to +23 dBm with noise reduction of 2 dB or more dramatically increase system gain, complemented by the improved antenna.

We are currently working toward even higher powers (up to +27 dBm) for even longer ranges and better fade margins.

The increase in range further improves net system latency which is already among the lowest in the industry. Latency for back to back radios is less than 4 nanoseconds

Click below for either datasheet
<http://www.hxi.com/Datasheets/hximodel7451radio.pdf>
and <http://www.hxi.com/Datasheets/hximodel7651.pdf>.

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Gigalink Lightspeed Radio - Articles

High Bandwidth Wireless for HD and 3D/HD Video Cameras
<http://www.rec-usa.com/press/HD%20and%203D%20Wireless%20Radio%20Link%20Article.pdf>

High Frequency Trading Turns to High Frequency Technology to Reduce Latency
<http://www.rec-usa.com/press/High%20Frequency%20Trading%20Radio%20Link%20Article.pdf>

Why Wireless Millimeter Wave Radios will Fuel the Coming Microcell Boom
<http://www.rec-usa.com/press/Renaissance%20Picocell%20Backhaul.pdf>

Scholarship

For the 14th year in a row, Renaissance provided scholarships for students graduating from high school and entering college.

Two students from each of the following schools were chosen:

Nashoba Regional High School (Stow, Bolton and Lancaster)

Thomas Moran (attending Union College)
Rebecca Tang (attending California Institute of Technology)

Acton-Boxborough Regional High School (Acton and Boxborough)

Sinan Zhang (attending Princeton)
Kevin Einkauf (attending Harvard)

Bromfield High School (Harvard)

Emma Raymond (attending WPI)
Eric Johnson (attending RPI)

Our Best Wishes to all these students for a successful future.

Renaissance Electronics Inc./HXI Product Integrated Assemblies Video

We are pleased to present our updated one and half minute REC and HXI product video showcasing state of the art Integrated Assembly products and also interviews with key individuals. This video can be viewed at <http://vimeo.com/user8831543/renaissance-electronics-corporation/video/35466673>.

For more information about Renaissance/HXI products contact us at 978-772-7774 or visit www.rec-usa.com / www.hxi.com.

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